

E80 Spring 2011

FIELD TESTS & FLIGHT SAFETY

Flight Dates

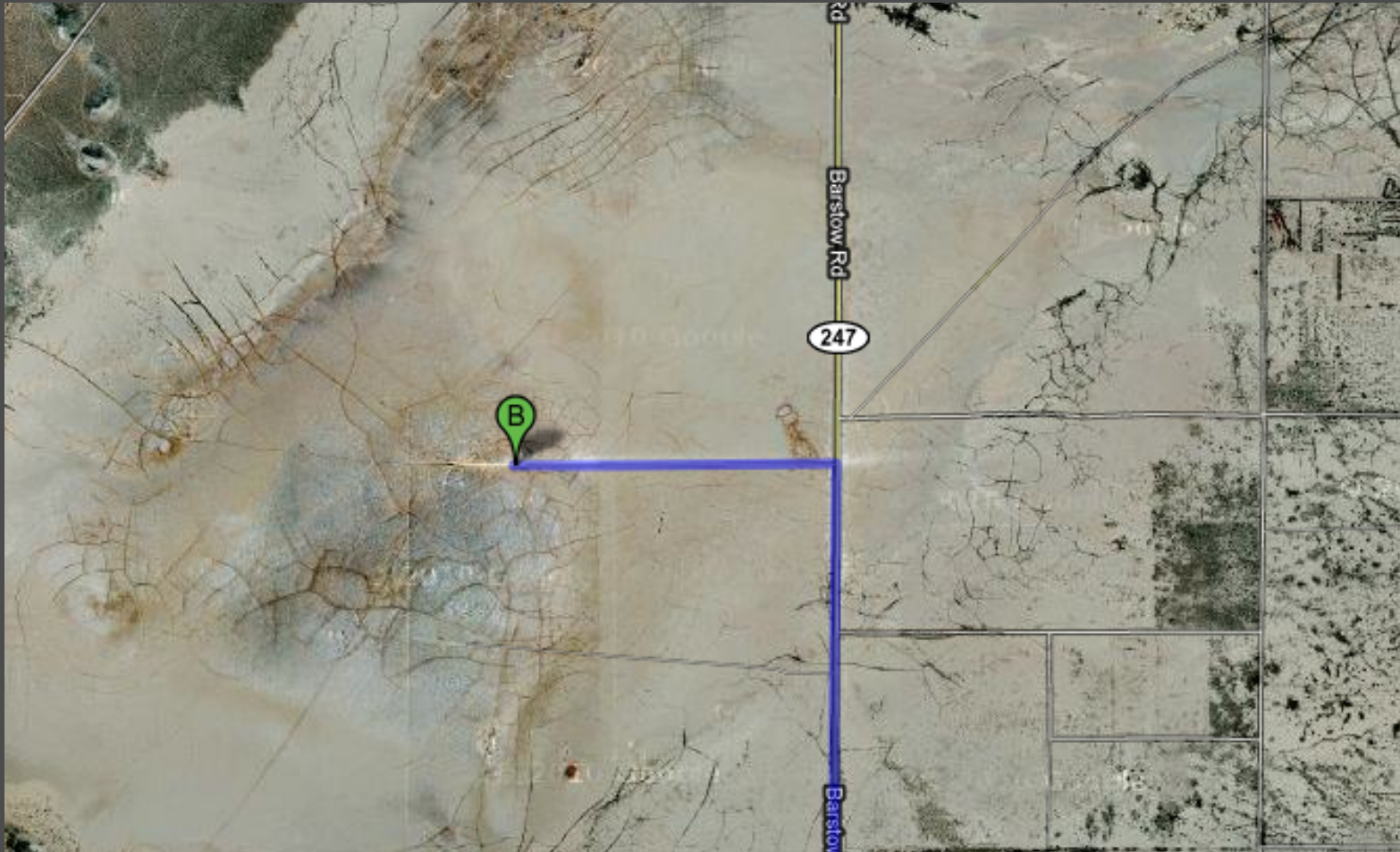
- ◎ 16 APR 2011
- ◎ 23 APR 2011
 - Meet in Parsons Parking Lot
 - Buses leave at 6 AM sharp
 - All teams expected to go
 - Bring your rocket
 - We will have food and water

Launch Site



[http://maps.google.com/maps?daddr=%2B34%30%27+7.02%22,+116%57%33.60%22+\(34.501950,+116.959333\)&geocode=&dirflg=&saddr=260+E+Foothill+Blvd.,+Claremont,+CA+91711&f=d&sll=34.50195,-116.959333&sspn=0.011052,0.019526&ie=UTF8&t=h&z=10](http://maps.google.com/maps?daddr=%2B34%30%27+7.02%22,+116%57%33.60%22+(34.501950,+116.959333)&geocode=&dirflg=&saddr=260+E+Foothill+Blvd.,+Claremont,+CA+91711&f=d&sll=34.50195,-116.959333&sspn=0.011052,0.019526&ie=UTF8&t=h&z=10)

Lucerne Valley Dry Lake Bed



[http://maps.google.com/maps?daddr=%2B34%20%2B30%20%2B7.02%22,+116%20%2B57%20%2B33.60%22+\(34.501950,+116.959333\)&geocode=&dirflg=&saddr=260+E+Foothill+Blvd.,+Claremont,+CA+91711&f=d&sl=34.50195,-116.959333&ssp=0.011052,0.019526&ie=UTF8&t=h&z=10](http://maps.google.com/maps?daddr=%2B34%20%2B30%20%2B7.02%22,+116%20%2B57%20%2B33.60%22+(34.501950,+116.959333)&geocode=&dirflg=&saddr=260+E+Foothill+Blvd.,+Claremont,+CA+91711&f=d&sl=34.50195,-116.959333&ssp=0.011052,0.019526&ie=UTF8&t=h&z=10)

Weather Conditions

- ⦿ Can range from cool (mid 40's) to hot (mid 80's)
- ⦿ Usually sunny and clear (high to very high UV index)
- ⦿ We cannot launch if:
 - Wind >20 mph
 - Precipitation
 - Clouds lower than 5000 feet AGL

Dress Code

- ⦿ Long pants strongly recommended
 - Shorts permitted if weather warm or hot
- ⦿ Close-toed shoes required
- ⦿ Hats recommended
- ⦿ Sunglasses recommended
- ⦿ Safety glasses required around motors and loaded rockets
- ⦿ We will bring sunscreen

High Power Safety Codes

- ◎ [Tripoli Rocketry Association](#)(TRA)
- ◎ [National Association of Rocketry](#) (NAR)

Distance Table

Installed Total Impulse (N-sec)	Equivalent Motor Type	Minimum Site Dimensions (ft.)	Minimum Personnel Distance (ft.)	Minimum Personnel Distance (Complex Rocket) (ft.)
1.25	1/4A, 1/2A	50	15	15
2.50	A	100	15	15
5.00	B	200	15	15
10.00	C	400	15	15
20.00	D	500	15	15
40.00	E	1,000	30	30
80.00	F	1,000	30	30
160.00	G	1,000	30	30
320.00	Two Gs	1,500	100	200
320.00	H	1,500	100	200
640.00	I	2,500	100	200

Our Safety Rules

- Obey all PA announcements.
- Drink plenty of water.
- Wear safety glasses around motors, black powder, and loaded rockets.
- Never point loaded rocket at anyone.
- Igniter goes in motor as last thing on launch pad.

From countdown until safe 'chute deployment

- ⦿ Everyone on their feet
- ⦿ Everyone watches rocket